

APPENDIX
Serial No. 08/776,786
Adenovirus Comprising A Gene Coding For Glutathione Peroxidase
RPR File No. ST94065A-US
Pending Claims

27. (Twice Amended) A replication defective recombinant adenovirus comprising a cDNA sequence encoding a human glutathione peroxidase.

34. (Twice Amended) The adenovirus according to claim 27, wherein the cDNA sequence is placed under control of a signal controlling expression in a target cell.

35. (Amended) The adenovirus according to claim 34, wherein the signal is a viral promoter.

36. (Twice Amended) The adenovirus according to claim 35, wherein the viral promoter is selected from the group consisting of E1A, MLP, CMV, and RSV-LTR promoters.

38. (Twice Amended) The adenovirus according to claim 27, wherein the cDNA sequence is placed under control of an RSV-LTR promoter.

40. (Twice Amended) The adenovirus according to claim 27, comprising ITRs and a sequence permitting encapsidation, and wherein an adenoviral E1 gene and at least one of an adenoviral E2, E4, or L1-L5 genes are not functional.

41. (Twice Amended) The adenovirus according to claim 27, wherein said adenovirus is an Ad 2 or Ad 5 human adenovirus or a CAV-2 canine adenovirus.

48. (Amended) A cultured mammalian cell infected with the replication defective recombinant adenovirus according to claim 27.

49. (Amended) The mammalian cell according to claim 48, wherein said cell is a human cell.

50. (Amended) The mammalian cell according to claim 49, wherein said cell is a retinal cell, fibroblast, myoblast, hepatocyte, endothelial cell, glial cell or keratinocyte.